

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number
WO 2004/013813 A3

(51) International Patent Classification⁷: **H04N 5/00**

[FR/FR]; 2 rue des Liorbes, F-35140 Saint Aubin du Cormier (FR).

(21) International Application Number:
PCT/EP2003/007476

(74) Agents: **COUR, Pierre et al.**; 46, Quai Alphonse Le Gallo, F-92100 Boulogne Billancourt (FR).

(22) International Filing Date: 9 July 2003 (09.07.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02/09788 26 July 2002 (26.07.2002) FR

(71) Applicant (*for all designated States except US*): **THOMSON LICENSING SA** [FR/FR]; 46, Quai Alphonse Le Gallo, F-92100 Boulogne Billancourt (FR).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

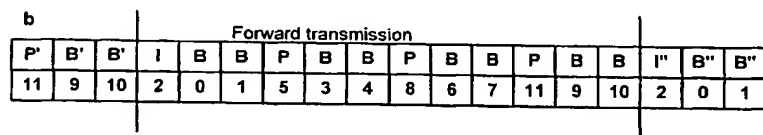
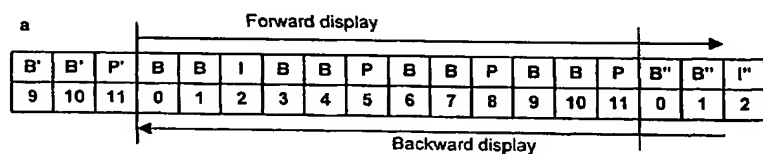
(75) Inventors/Applicants (*for US only*): **ABELARD, Franck** [FR/FR]; 20 rue Chateaubriand, F-35220 Chateaubourg (FR). **AMSTOUTZ, Marc** [FR/FR]; 13, rue Ernest Chereau, F-35200 Rennes (FR). **SALAUN, Frédéric**

Published:

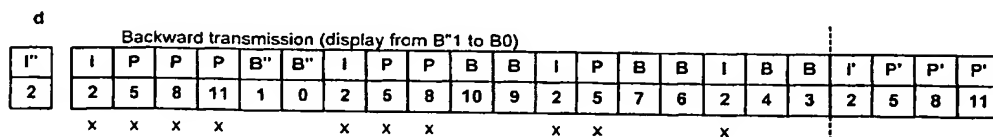
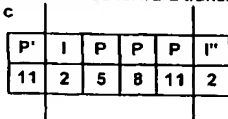
— with international search report

[Continued on next page]

(54) Title: TRICK PLAY METHOD



Accelerated forward transmission = above order of transmission without the B images



(57) Abstract: The invention relates to a method of and a device for processing digital images. The device is such that, the images (M'i, M'i) being transmitted from a server (202) to a decoder (208, 206) using various modes of display, the images being coded in a dependent manner such that the coding of a first image is used to code a second image. The method is such that the order of transmission of the images from the server to the decoder is determined as a function of the dependence of these images and the mode of display requested by the decoder.

WO 2004/013813 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
22 July 2004

INTERNATIONAL SEARCH REPORT

10/52225
 International Application No.
 PCT/EP 03/07476

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04N5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LIN C-W ET AL: "MPEG VIDEO STREAMING WITH VCR FUNCTIONALITY"</p> <p>IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US,</p> <p>vol. 11, no. 3, March 2001 (2001-03), pages 415-425, XP001093487</p> <p>ISSN: 1051-8215</p> <p>page 418, column 2, last paragraph -page 420, paragraph 2</p> <p>page 423, column 2, last paragraph -page 424; figure 9</p> <p style="text-align: center;">--- -/--</p>	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

24 May 2004

Date of mailing of the international search report

04/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Raeymaekers, P

INTERNATIONAL SEARCH REPORT

onal Application No

PCT/EP 03/07476

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	REDFORD J E ET AL: "Video over ATM: experience from the Cambridge Interactive TV Trial" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. (ICIP). WASHINGTON, OCT. 23 - 26, 1995, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. 3, 23 October 1995 (1995-10-23), pages 1-4, XP010196909 ISBN: 0-7803-3122-2 page 4, column 1, paragraph 3 - last paragraph ---	1-11
A	WO 00/22820 A (SARNOFF CORP) 20 April 2000 (2000-04-20) page 9, line 13 -page 10 ---	1-11
A	VERNICK M ET AL: "ADVENTURES IN BUILDING THE STONY BROOK VIDEO SERVER" PROCEEDINGS OF ACM MULTIMEDIA 96. BOSTON, NOV. 18 - 22, 1996, NEW YORK, ACM, US, 18 November 1996 (1996-11-18), pages 287-295, XP000734727 ISBN: 0-89791-871-1 page 293 -page 294, column 1, paragraph 2 -----	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/07476

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0022820	A	20-04-2000	WO	0022820 A1		20-04-2000